KornShell Plus

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The KornShell Plus product is the latest release of the POSIX 1003.2 conforming KornShell command and utilities. This standardized toolset provides a consistent, predictable, common operating environment for operating systems ranging from the Amdahl UTS to the Microsoft Windows NT. The KornShell Plus product eliminates the guesswork on portability of shell scripts.

Common Operating Environment

KornShell Plus is an operating environment, not an operating system. It works like any application running on your computer. The common operating environment makes it possible to write shell scripts and ensure portability between operating systems ranging from the Amdahl UTS to Windows NT.

Today's computing environment is heterogeneous, with operating systems and hardware from different vendors. The KornShell Plus common operating environment provides the bridge between these systems to ensure portability. With a common set of commands and utilities, along with the KornShell itself,

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Features

- **Arrays:** Both one dimensional indexed and associative arrays are provided.

- **Expanded Name Space:** The variable name space is now hierarchical with dot (".") delimiters.

- **Internationalization:** Full internationalization support including message catalogs.

- **Function Definitions:** Both the standard KornShell functions and the POSIX function definitions are supported.

- **Backward Compatibility:** Full backward compatibility with bourne shell and older releases of KornShell.

- **Discipline Functions:** Captures assignment and reference to KornShell variables causing the user defined discipline function to be invoked.

- **Expanded Arithmetic Operations:** KornShell provides an expanded set of arithmetic operations including floating point variable types.

- **Iteration Control:** The KornShell *for* statement now provides arithmetic and indexed iteration.

- **Variable Name Referencing:** KornShell variables can now reference another variable by name.

- **Function Autoloading:** KornShell can now *autoload* commonly used functions to make them available for all shell scripts.

- **Expanded Command Set:** KornShell Plus now includes 100+ POSIX 1003.2 shell commands and utilities.

you have a predictable environment to ensure portability in a heterogenous computing environment.

Portability and Your Current Environment

Initially you may believe your current environment provides the portability required. When we look under the hood, however, we find quite the opposite. Consider, for example, that most Unix vendors currently provide ksh (release 88I) for console windows scripting. The Common Desktop Environment, however, uses DeskTop ksh which was derived from Ksh (release 93c).

In CDE it is therefore possible to write a ksh script, without relying on graphics, that cannot be executed from the command line login.

To further complicate matters, major vendors have purchased the ksh88 source code and have modified it to provide specific extensions for their operating system. There is no portability there.

Further, each version of ksh has a set of commonly used shell commands and utilities as built-in functions. The cut command, for example, can be built into the ksh shell. When you execute cut, ksh determines if it is the cut from the /usr/bin directory, and if so, ksh supplies its own version of cut instead.

Commonly used shell commands and utilities can behave differently depending on how they are invoked. The command could be executed as a built-in function of ksh 88I, or, as a built-in function of ksh 93c, or, as the vendor supplied version of /usr/bin/<command> when executed from bourne shell.

There is only one way to ensure that you have the portability you require and that is to use KornShell Plus, from Global Technologies Ltd., Inc.

Who Needs KornShell Plus?

Internet developers and ISPs who need a common Unix and Windows operating environment

Major Corporate IT departments maintaining a write-one deploy many policy for applications across Unix and Windows NT

System administrators who a consistent, predictable, common operating environment in their heterogeneous computing environment.

All shell script programmers need to deploy on multiple operating systems.

Availability

KornShell Plus is available for the following operating systems:

Amdahl	UTS*
Caldera	OpenLinux
DEC	OS/F Alpha
Hewlett Packard	HP-UX 9.x
	HP-UX 10.x
IBM	AIX 4.3
	OpenEdition MVS**
Microsoft	Windows NT***
Silicon Graphics Inc.	Irix 5.x
SunSoft	SunOS 4.x
	Solaris 2.5

Need More Info?

For the latest information on KornShell Plus, please visit the KornShell Plus web site at:

http://www.gtlinc.com/products/KornShell

KornShell Plus ™

The One and Only Common Operating Environment for Unix and Windows

The KornShell Plus v5.2 product is licensed per user. When installing onto a server, each client utilizing the KornShell Plus product must have a valid license. Global Technologies Ltd., Inc. provides a sliding scale for each additional license you purchase.

Product Pricing Information

Part #	Description	Platform	Qty	Price Each
010501	KornShell Plus v5.2 Media and License	AIX 4.3	1	$ 199
010502	KornShell Plus v5.2, Level A License (2-49)	AIX 4.3	1	$ 160
010503	KornShell Plus v5.2, Level B License (50-99)	AIX 4.3	1	$ 140
010504	KornShell Plus v5.2, Level C License (100-149)	AIX 4.3	1	$ 120
010505	KornShell Plus v5.2, Level D License (150-199)	AIX 4.3	1	$ 110
010506	KornShell Plus v5.2, Level E License (200-254)	AIX 4.3	1	$ 100
010507	KornShell Plus v5.2 Media and License	HPUX 9.x	1	$ 199
010508	KornShell Plus v5.2, Level A License (2-49)	HPUX 9.x	1	$ 160
010509	KornShell Plus v5.2, Level B License (50-99)	HPUX 9.x	1	$ 140
010510	KornShell Plus v5.2, Level C License (100-149)	HPUX 9.x	1	$ 120
010511	KornShell Plus v5.2, Level D License (150-199)	HPUX 9.x	1	$ 110
010512	KornShell Plus v5.2, Level E License (200-254)	HPUX 9.x	1	$ 100
010513	KornShell Plus v5.2 Media and License	HPUX 10.20	1	$ 199
010514	KornShell Plus v5.2, Level A License (2-49)	HPUX 10.20	1	$ 160
010515	KornShell Plus v5.2, Level B License (50-99)	HPUX 10.20	1	$ 140
010516	KornShell Plus v5.2, Level C License (100-149)	HPUX 10.20	1	$ 120
010517	KornShell Plus v5.2, Level D License (150-199)	HPUX 10.20	1	$ 110
010518	KornShell Plus v5.2, Level E License (200-254)	HPUX 10.20	1	$ 100
010519	KornShell Plus v5.2 Media and License	IRIX 5.x	1	$ 199
010520	KornShell Plus v5.2, Level A License (2-49)	IRIX 5.x	1	$ 160
010521	KornShell Plus v5.2, Level B License (50-99)	IRIX 5.x	1	$ 140
010522	KornShell Plus v5.2, Level C License (100-149)	IRIX 5.x	1	$ 120
010523	KornShell Plus v5.2, Level D License (150-199)	IRIX 5.x	1	$ 110
010524	KornShell Plus v5.2, Level E License (200-254)	IRIX 5.x	1	$ 100
010525	KornShell Plus v5.2 Media and License	IRIX 6.2	1	$ 199
010526	KornShell Plus v5.2, Level A License (2-49)	IRIX 6.2	1	$ 160
010527	KornShell Plus v5.2, Level B License (50-99)	IRIX 6.2	1	$ 140
010528	KornShell Plus v5.2, Level C License (100-149)	IRIX 6.2	1	$ 120
010529	KornShell Plus v5.2, Level D License (150-199)	IRIX 6.2	1	$ 110
010530	KornShell Plus v5.2, Level E License (200-254)	IRIX 6.2	1	$ 100

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Part #	Description	Platform	Qty	Price Each
010531	KornShell Plus v5.2 Media and License	IRIX 6.3	1	$ 199
010532	KornShell Plus v5.2, Level A License (2-49)	IRIX 6.3	1	$ 160
010533	KornShell Plus v5.2, Level B License (50-99)	IRIX 6.3	1	$ 140
010534	KornShell Plus v5.2, Level C License (100-149)	IRIX 6.3	1	$ 120
010535	KornShell Plus v5.2, Level D License (150-199)	IRIX 6.3	1	$ 110
010536	KornShell Plus v5.2, Level E License (200-254)	IRIX 6.3	1	$ 100
010537	KornShell Plus v5.2 Media and License	Solaris 2.5 Sparc	1	$ 199
010538	KornShell Plus v5.2, Level A License (2-49)	Solaris 2.5 Sparc	1	$ 160
010539	KornShell Plus v5.2, Level B License (50-99)	Solaris 2.5 Sparc	1	$ 140
010540	KornShell Plus v5.2, Level C License (100-149)	Solaris 2.5 Sparc	1	$ 120
010541	KornShell Plus v5.2, Level D License (150-199)	Solaris 2.5 Sparc	1	$ 110
010542	KornShell Plus v5.2, Level E License (200-254)	Solaris 2.5 Sparc	1	$ 100
010543	KornShell Plus v5.2 Media and License	Solaris 2.5 Intel	1	$ 199
010544	KornShell Plus v5.2, Level A License (2-49)	Solaris 2.5 Intel	1	$ 160
010545	KornShell Plus v5.2, Level B License (50-99)	Solaris 2.5 Intel	1	$ 140
010546	KornShell Plus v5.2, Level C License (100-149)	Solaris 2.5 Intel	1	$ 120
010547	KornShell Plus v5.2, Level D License (150-199)	Solaris 2.5 Intel	1	$ 110
010548	KornShell Plus v5.2, Level E License (200-254)	Solaris 2.5 Intel	1	$ 100
010549	KornShell Plus v5.2 Media and License	SunOS 4	1	$ 199
010550	KornShell Plus v5.2, Level A License (2-49)	SunOS 4	1	$ 160
010551	KornShell Plus v5.2, Level B License (50-99)	SunOS 4	1	$ 140
010552	KornShell Plus v5.2, Level C License (100-149)	SunOS 4	1	$ 120
010553	KornShell Plus v5.2, Level D License (150-199)	SunOS 4	1	$ 110
010554	KornShell Plus v5.2, Level E License (200-254)	SunOS 4	1	$ 100
010555	KornShell Plus v5.2 Media and License	UnixWare 2.x Intel	1	$ 199
010556	KornShell Plus v5.2, Level A License (2-49)	UnixWare 2.x Intel	1	$ 160
010557	KornShell Plus v5.2, Level B License (50-99)	UnixWare 2.x Intel	1	$ 140
010558	KornShell Plus v5.2, Level C License (100-149)	UnixWare 2.x Intel	1	$ 120
010559	KornShell Plus v5.2, Level D License (150-199)	UnixWare 2.x Intel	1	$ 110
010560	KornShell Plus v5.2, Level E License (200-254)	UnixWare 2.x Intel	1	$ 100

NOTE: The KornShell Plus product is available for Windows NT and Windows 95 through the U/WIN Base Environment. See U/WIN Pricing Information for details.

If you have a question about a Global Technologies Ltd., Inc. product, look in the Systems Guide or consult online Help. You can also find late-breaking updates and technical information in the Readme file that came with your product disks or CD. In the United States, the following support services are available:

Information Services

Visit our web site at http://www.gtlinc.com and follow the links to the E-Support Center. Here you will find a wealth of technical information on our products. This site is specifically designed with the developer community in mind.

Standard Support

Global Technologies Ltd., Inc. provides one no-charge telephone support incident for the current version of the Nmake Plus product. Call 609-722-0906, 8AM-5:30PM EST, Monday through Friday, excluding holidays. Please have your product identification number ready.

Priority Support

Priority pay per incident option provides priority telephone access to Global Technologies Ltd., Inc. support engineers. In the United States and in Canada, call 609-722-0906; US$195 per incident, billed to your VISA, MasterCard, or American Express card.

Consulting Services

Global Technologies Ltd., Inc. allows you to schedule consultations on supporting and using your Global Technologies Ltd., Inc. products. Your call gives you telephone access (charged per hour) to technical personnel who can provide assistance when your support consulting requirements exceed the boundaries of your existing Global Technologies Ltd., Inc. support. US$195/hour (minimum 1 hour). Call 609-722-0906.

Corporate Support Services

Global Technologies Ltd., Inc. understands the needs of our customers. To better serve our corporate accounts, we offer a comprehensive Corporate Support Plan. Our Corporate Support Plan provides a full range of services for the Nmake Plus product line. The Support Plan includes, 8:00 to 5:30 Telephone Software Service Center, access to trouble tick center, and access to technical staff. The Corporate Support Plan is available under Corporate Wide Support, Corporate Site Licensing, and Corporate Project Specific plans. Call for pricing.